

## Abstract

### ~~Rotation rate sensor with a vibrational gyroscope~~

In a rotation rate sensor having a vibrational gyroscope which is part of at least one control loop which excites the vibrational gyroscope by supplying an excitation signal at its natural frequency, the vibrational gyroscope ~~providing~~ provides an output signal from which a noisy rotation rate signal is derived,~~the~~ The noisy rotation rate signal is supplied to inputs on a low pass filter with controllable bandwidth and on a bandpass filter. The output of the bandpass filter is connected to a control input on the low pass filter via a threshold value circuit.

Figure 2